This listing of claims will replace all prior versions, and listings, of claims in the application:

The Status of the Claims

1.   (Original) A method comprising:

identifying a bus transaction request with a virtual machine monitor; and

storing a record associated with the bus transaction request in a virtual

machine.

2.   (Original) A method as defined in claim 1, further comprising performing a

bus transaction in response to the bus transaction request.

3.   (Original) A method as defined in claim 2, wherein storing the record

associated with the bus transaction request in the virtual machine comprises storing the

record associated with the bus transaction in a transaction profiler.

4.   (Original) A method as defined in claim 1, further comprising:

receiving the bus transaction request at the virtual machine; and

generating a time stamp at the virtual machine.

5.   (Original) A method as defined in claim 1, further comprising:

inserting the bus transaction request on a bus; and

receiving a bus transaction response on the bus at the virtual machine.

6.   (Original) A method as defined in claim 1, further comprising:

generating a time stamp at the virtual machine; and

transmitting a bus transaction response from the virtual machine to the virtual

machine monitor.

7.   (Original) A method as defined in claim 1, wherein the record comprises at least one of a time stamp, the bus transaction request, a bus transaction response, and historical data.

8.   (Original) A method as defined in claim 1, further comprising writing data to a bus via the virtual machine.

9.   (Original) A method as defined in claim 1, further comprising reading data from a bus via the virtual machine.

10.   (Original) A method as defined in claim 1, further comprising:

identifying a start trap request with the virtual machine monitor; and

generating a time stamp in response to the start trap request.

11.   (Original) A method as defined in claim 1, further comprising:

identifying a stop trap request with the virtual machine monitor; and

generating a time stamp in response to the stop trap request.

12.   (Original) A method as defined in claim 1, further comprising:

identifying an extract data request with the virtual machine;

receiving data on a bus; and

transmitting the data via the virtual machine in response to the extract data request.

13.   (Original) A method as defined in claim 1, wherein the bus transaction request is received from a second virtual machine.

14.　　(Currently Amended)　An apparatus comprising:

~~a memory; and~~

a processor ~~coupled to the memory and configured to:~~; and

a memory coupled to the processor, the memory comprising instructions

which when executed by the processor are configured to:

identify a bus transaction request with a virtual machine monitor; and

store a record associated with the bus transaction request in a virtual

machine.

15.　　(Currently Amended)　An apparatus as defined in claim 14, wherein the

~~processor is~~instructions are configured to perform a bus transaction in response to the bus

transaction request.

16.　　(Currently Amended)　An apparatus as defined in claim 15, wherein the

~~processor is~~instructions are configured to store the record associated with the bus transaction

request in the virtual machine by storing the record associated with the bus transaction in a

transaction profiler.

17.　　(Currently Amended)　An apparatus as defined in claim 14, wherein the

~~processor is~~instructions are configured to:

receive the bus transaction request at the virtual machine; and

generate a time stamp at the virtual machine.

18.　　(Currently Amended)　An apparatus as defined in claim 14, wherein the

~~processor is~~instructions are configured to:

insert the bus transaction request on a bus; and

receive a bus transaction response on the bus at the virtual machine.

19.   (Currently Amended) An apparatus as defined in claim 14, wherein the ~~processor is~~instructions are configured to:

generate a time stamp at the virtual machine; and

transmit a bus transaction response from the virtual machine to the virtual machine monitor.

20.   (Original) An apparatus as defined in claim 14, wherein the record comprises at least one of a time stamp, the bus transaction request, a bus transaction response, and historical data.

21.   (Currently Amended) An apparatus as defined in claim 14, wherein the ~~processor is~~instructions are configured to write data to a bus via the virtual machine.

22.   (Currently Amended) An apparatus as defined in claim 14, wherein the ~~processor is~~instructions are configured to read data from a bus via the virtual machine.

23.   (Currently Amended) An apparatus as defined in claim 14, wherein the ~~processor is~~instructions are configured to:

identify a start trap request with the virtual machine monitor; and

generate a time stamp in response to the start trap request.

24.   (Currently Amended) An apparatus as defined in claim 14, wherein the ~~processor is~~instructions are configured to:

identify a stop trap request with the virtual machine monitor; and

generate a time stamp in response to the stop trap request.

25.   (Currently Amended) An apparatus as defined in claim 14, wherein the

~~processor is~~instructions are configured to:

identify an extract data request with the virtual machine;

receive data on a bus; and

transmit the data via the virtual machine in response to the extract data

request.

26.   (Currently Amended) An apparatus as defined in claim 14, wherein the

~~processor is~~instructions are configured to receive the bus transaction request from a second

virtual machine.

27.   (Currently Amended) An apparatus comprising:

a transaction profiler;

a virtual machine; ~~and~~

a memory associated with the virtual machine; and

a virtual machine monitor communicatively coupled to the transaction profiler

and configured to:

identify a bus transaction request with the virtual machine monitor; and

store a record associated with the bus transaction request in the

memory associated with the virtual machine.

28.   (Original) An apparatus as defined in claim 27, wherein the transaction

profiler is configured to:

generate a time stamp; and

transmit a bus transaction response to the virtual machine monitor.

29.   (Original) A machine accessible medium having instructions stored thereon that, when executed, cause a machine to:

  identify a bus transaction request with a virtual machine monitor; and

  store a record associated with the bus transaction request in a virtual machine.

30.   (Original) A machine accessible medium as defined in claim 29, having instructions stored thereon that, when executed, cause the machine to perform a bus transaction in response to the bus transaction request.

31.   (Original) A machine accessible medium as defined in claim30, having instructions stored thereon that, when executed, cause the machine to store the record associated with the bus transaction request in the virtual machine by storing the record associated with the bus transaction in a transaction profiler.

32.   (Original) A machine accessible medium as defined in claim 29, having instructions stored thereon that, when executed, cause the machine to:

  receive the bus transaction request at the virtual machine; and

  generate a time stamp at the virtual machine.

33.   (Original) A machine accessible medium as defined in claim 29, having instructions stored thereon that, when executed, cause the machine to:

  insert the bus transaction request on a bus; and

  receive a bus transaction response on the bus at the virtual machine.

34. (Original) A machine accessible medium as defined in claim 29, having instructions stored thereon that, when executed, cause the machine to:

generate a time stamp at the virtual machine; and

transmit a bus transaction response from the virtual machine to the virtual machine monitor.

35. (Original) A machine accessible medium as defined in claim 29, wherein the record comprises at least one of a time stamp, the bus transaction request, a bus transaction response, and historical data.

36. (Original) A machine accessible medium as defined in claim 29, having instructions stored thereon that, when executed, cause the machine to write data to a bus via the virtual machine.

37. (Original) A machine accessible medium as defined in claim 29, having instructions stored thereon that, when executed, cause the machine to read data from a bus via the virtual machine.

38. (Original) A machine accessible medium as defined in claim 29, having instructions stored thereon that, when executed, cause the machine to:

identify a start trap request with the virtual machine monitor; and

generate a time stamp in response to the start trap request.

39. (Original) A machine accessible medium as defined in claim 29, having instructions stored thereon that, when executed, cause the machine to:

identify a stop trap request with the virtual machine monitor; and

generate a time stamp in response to the stop trap request.

40.   (Original) A machine accessible medium as defined in claim 29, having instructions stored thereon that, when executed, cause the machine to:

identify an extract data request with the virtual machine;

receive data on a bus; and

transmit the data via the virtual machine in response to the extract data request.

41.   (Original) A machine accessible medium as defined in claim 29, having instructions stored thereon that, when executed, cause the machine to receive the bus transaction request from a second virtual machine.